

Title (en)

DEVICES AND METHODS FOR LEAD ACID BATTERIES

Title (de)

VORRICHTUNGEN UND VERFAHREN FÜR BLEISÄUREBATTERIEN

Title (fr)

DISPOSITIFS ET PROCÉDÉS POUR DES ACCUMULATEURS AU PLOMB-ACIDE

Publication

EP 2329549 A1 20110608 (EN)

Application

EP 09807003 A 20090429

Priority

- US 2009042122 W 20090429
- US 8891108 P 20080814

Abstract (en)

[origin: WO2010019291A1] A bipolar lead acid battery comprises a compression resistant separator in which the electrolyte is retained in a gelled form, and wherein quasi-bipolar electrodes are maintained in a cell stack under pressure. Most preferably, the negative active material further includes a compression resistant spacer structure and the battery is configured as a VR-BLAB where each single cell can independently vent gases during the charge cycle.

IPC 8 full level

H01M 2/16 (2006.01); **H01M 50/431** (2021.01)

CPC (source: EP KR US)

H01B 1/02 (2013.01 - KR); **H01M 10/10** (2013.01 - KR); **H01M 10/12** (2013.01 - KR); **H01M 10/121** (2013.01 - EP US); **H01M 10/127** (2013.01 - EP US); **H01M 10/18** (2013.01 - EP US); **H01M 50/431** (2021.01 - KR); **H01M 50/489** (2021.01 - KR); **H01M 50/431** (2021.01 - EP US); **H01M 50/44** (2021.01 - EP US); **H01M 2300/0085** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP); **Y02T 10/70** (2013.01 - US); **Y10T 29/49108** (2015.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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